

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
31 December 2003 (31.12.2003)

PCT

(10) International Publication Number
WO 2004/000693 A1

(51) International Patent Classification⁷: **B65D 90/02**, 81/38 // 111:00

(21) International Application Number: PCT/DK2003/000415

(22) International Filing Date: 20 June 2003 (20.06.2003)

(25) Filing Language: Danish

(26) Publication Language: English

(30) Priority Data:
PA 2002 00958 21 June 2002 (21.06.2002) DK

(71) Applicant (for all designated States except US): MÆRSK CONTAINER INDUSTRI AS [DK/DK]; Bjerndrupvej 47, DK-6360 Tinglev (DK).

(52) Inventor; and

(75) Inventor/Applicant (for US only): DEGERMANN, Michael, Steen [DK/DE]; Klueser Weg 1B, D-24939 Flensburg (DE).

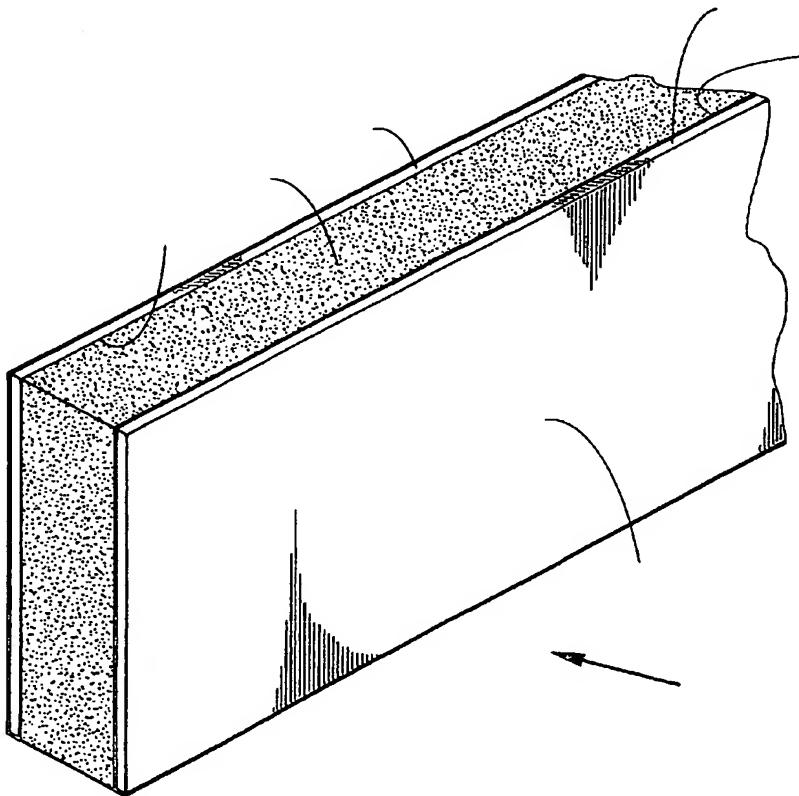
(74) Agent: ZACCO DENMARK A/S; Hans Bekkevolds Allé 7, DK-2900 Hellerup (DK).

(81) Designated States (national): AE, AG, AL, AM, AT (utility model), AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ (utility model), CZ, DE (utility model), DE, DK (utility model), DK, DM, DZ, EC, EE (utility model), EE, ES, FI (utility model), FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK (utility model), SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),

[Continued on next page]

(54) Title: A THERMALLY INSULATED CONTAINER AND USE THEREOF



(57) Abstract: A thermally insulated container (101) for the transport of cargo (102), said container (101) comprising panels (103) comprising at least one outer layer/wall (104) and at least one inner layer/wall (105), between which layers/wall foam material (106) is arranged, and wherein the foam material is an essentially closed-cell foam material, said cells (107) enclosing at least two gases (108), said gases (108) having a value λ for thermal conductivity which is lower than that of atmospheric air, Hereby a container is obtained, whose insulating properties are good, while simultaneously the used materials are environmentally satisfactory, and wherein these insulating properties remain essentially intact for number of years.